

AMENDMENTS TO THE CLAIMS

Please amend Claims 1-20 as shown below. This listing of claims will replace all prior versions, and listings, of claims in the international application.

1. *(currently amended)* A method of testing a device of a mobile station, the method comprising:

generating (402) an electric test signal for testing a device; and
feeding (404) the electric test signal to the device by a feeding line;
~~characterized by~~

measuring (408) an electric quantity from the feeding line by a
measurement unit integrated into the mobile station;

determining (410) an electric response of the device to the electric test
signal based on the electric quantity; and

performing at least a portion of the testing procedure by using a
functional unit integrated into the mobile station, the testing procedure comprising
generating the electric test signal and determining the electric response of the device.

2. *(currently amended)* The method ~~according to any one of the preceding claims,~~
~~characterized by~~ of claim 1, further comprising evaluating (412) performance of
the device based on the electric response.

3. *(currently amended)* The method ~~according to any one of the preceding claims,~~
~~characterized by~~ of claim 1, further comprising connecting (406) the
measurement unit to the feeding line.

4. *(currently amended)* The method ~~according to any one of the preceding claims,~~
~~characterized by~~ of claim 1, wherein the step of generating the electric test signal
comprises generating (402) the electric test signal by a signal generator integrated at
least partially into the mobile station.

5. *(currently amended)* The method ~~according to any one of the preceding claims,~~
~~characterized by~~ of claim 1, wherein determining the electric response further
comprises determining (410) the electric response of the device to the electric test
signal by an analyser integrated at least partially into the mobile station.

6. *(currently amended)* The method ~~according to any one of the preceding claims,~~
~~characterized by~~ of claim 1, further comprising:

measuring (408) the voltage of the electric test signal over the device; and
determining (410) the electric response of the device to the electric test
signal, based on the voltage.

7. *(currently amended)* The method ~~according to any one of the preceding claims,~~
~~characterized by~~ of claim 1, further comprising:

generating (402) a predefined electric test signal for testing a device with
a known electric response to the predefined electric test signal; and

evaluating (412) performance of the device based on the known electric
response and the electric response of the device to the electric test signal.

8. *(currently amended)* The method ~~according to any one of the preceding claims,~~
~~characterized by~~ of claim 1, wherein the step of measuring comprises measuring
(408) the electric quantity by a measurement unit with an input impedance chosen
such that the accuracy of the electric response of the device to the electric test signal
is above a predefined value.

9. *(currently amended)* The method ~~according to any one of the preceding claims,~~
~~characterized by~~ of claim 1, further comprising connecting (406) a measurement
unit measuring the electric quantity to a feeding line of a device of plurality of
devices; and

measuring (408) the electric quantity from a feeding line of a device of
plurality of devices.

10. *(currently amended)* The method ~~according to any one of the preceding claims,~~
~~characterized in that~~ of claim 1, wherein the device is a peripheral device.

11. *(currently amended)* An arrangement for testing a device of a mobile station,
comprising:

a signal generator (230) for generating an electric test signal for testing a
device (200, 202, 204);

a feeding line (210, 212, 214) connected to the signal generator (230) and
the device (200, 202, 204), for feeding the electric test signal to the device (200, 202,
204);

~~characterized in that~~

~~the mobile station further comprises~~ a measurement unit (240) connected
to the feeding line (210, 212, 214), for measuring an electric quantity from the feeding
line (210, 212, 214);

~~the arrangement further comprises~~ an analyser (260) connected to the measurement unit (240), for determining an electric response of the device (200, 202, 204) to the electric test signal based on the electric quantity; and

wherein at least a portion of a testing arrangement is integrated into the mobile station, the testing arrangement comprising the signal generator (230) and the analyser (260).

12. *(currently amended)* The arrangement ~~of~~according to claim 11, ~~characterized in that~~ wherein the arrangement further comprises an evaluating unit (270) connected to the analyser (260) for evaluating performance of the device (200, 202, 204) based on the electric response.

13. *(currently amended)* ~~The arrangement according to any of the preceding claims 11-12, characterized in that~~ of claim 11, wherein the mobile station comprises a switching unit (240) for connecting the measurement unit (240) to the feeding line (210, 212, 214).

14. *(currently amended)* The arrangement ~~according to any of the preceding claims 11-13, characterized in that~~ of claim 11, wherein at least a portion of the signal generator (230) is integrated into the mobile station.

15. *(currently amended)* The arrangement ~~according to any of the preceding claims 11-14, characterized in that~~ of claim 11, wherein at least a portion of the analyser (260) is integrated into the mobile station.

16. *(currently amended)* The arrangement ~~according to any of the preceding claims 11-15, characterized in that~~ of claim 11, wherein the measurement unit (250) is configured to measure voltage of the electric test signal over the device (200, 202, 204); and

wherein the analyser (260) is configured to determine the electric response of the device (200, 202, 204) to the electric test signal, based on the voltage.

17. *(currently amended)* The arrangement ~~according to any of the preceding claims 11-16, characterized in that~~ of claim 11, wherein the signal generator (230) is configured to generate a predefined electric test signal for testing a device (200, 202, 204) with a known electric response to the predefined electric test signal; and

wherein the evaluating unit (270) is configured to evaluate performance of the device (200, 202, 204) based on the known electric response and the electric response of the device (200, 202, 204) to the electric test signal.

18. *(currently amended)* The arrangement ~~according to any of the preceding claims 11-17, characterized in that~~ of claim 11, wherein an input impedance of the measurement unit (250) is chosen such that the accuracy of the electric response of the device (200, 202, 204) to the electric test signal is above a predefined value.

19. *(currently amended)* The arrangement ~~according to any of the preceding claims 11-18, characterized in that~~ of claim 11, wherein the mobile station comprises a plurality of devices (200, 202, 204) with a plurality of feeding lines (210, 212, 214);
wherein the mobile station comprises a switching unit (240) for connecting the measurement unit (250) to the feeding line (210, 212, 214) of the device (200, 202, 204) of a plurality of devices (200, 202, 204) one at a time; and
wherein the measurement unit (250) is configured to measure the electric quantity from the feeding line (210, 212, 214) of the device (200, 202, 204) from a plurality of devices (200, 202, 204).

20. *(currently amended)* The arrangement ~~according to any of the preceding claims 11-19, characterized in that~~ of claim 11, wherein the device (210, 212, 214) is a peripheral device (130-156).